Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of hot-filling and capping with a closure a polymer container, the container defining head space area above a level of liquid in the filled container, comprising:

providing one of the closure and the head space area of the container with a hole covered with hydrophobic air permeable membrane;

filling the container with hot liquid;
applying the closure to the filled container;
allowing the filled container to cool; and
applying an air tight seal over the membrane-covered hole.

membrane comprises expanded polytetraflouro-ethylene.

- 2. (Original) The method of claim 1 wherein hydrophobic air permeable
- 3. (Original) The method of claim 1 wherein hydrophobic air permeable membrane comprises polypropylene.
- 4. (Original) The method of claim 1 wherein the membrane has pores sized from about 0.3 to 5 microns.
- 5. (Original) The method of claim 1 wherein the membrane has pores sized from about 0.4 to 2 microns.
- 6. (Original) The method of claim 1 wherein the membrane has pores sized from about 0.5 to 1.5 microns.

- 7. (Original) The method of claim 1 wherein the membrane has pores having an average of about 1.0 micron.
- 8. (Original) The method of claim 1 wherein the hole is sized between about 50 and 100 microns.
- 9. (Original) The method of claim 1 wherein the seal comprises a dryable coating.
- 10. (Original) The method of claim 1 wherein the dryable coating comprises a UV activated sealant.
- 11. (Original) The method of claim 1 wherein the dryable coating comprises a paint.
- 12. (Original) The method of claim 1 wherein the seal comprises a semi-transparent adhesive.
- 13. (Original) The method of claim 1 wherein the seal comprises an air tight membrane with a pressure-sensitive adhesive on one surface thereof.
- 14. (Currently amended) The method of claim <u>1</u> wherein the seal comprises a composition which solidifies upon exposure to actinic radiation.
- 15. (Currently amended) A closure cap adapted to be applied to a hot-fill container comprising:

a top surface having an outer edge with a skirt portion depending therefrom, the top surface defining a hole therethrough;

a hydrophobic, air permeable membrane secured to the cap so as to <u>cover</u> fill the hole; and

an <u>air impermeable sealing material contained within and</u> air-tight seal over the portion of the membrane filling the hole to provide an air-tight seal over the portion of the air permeable membrane covering the hole, wherein the air-tight seal is essentially flush with the top surface.

- 16. (Original) The closure cap of claim 15 in which the hydrophobic air permeable membrane is secured to the inside surface of the top and further comprises a liner applied to the inside surface of the cap, the liner having a hole in registration with the hole in the top surface and overlying the hydrophobic air permeable membrane.
- 17. (Original) The closure cap of claim 15 wherein hydrophobic air permeable membrane comprises expanded polytetraflouro-ethylene.
- 18. (Original) The closure cap of claim 15 wherein hydrophobic air permeable membrane comprises polypropylene.
- 19. (Original) The closure cap of claim 15 wherein the membrane has pores sized from about 0.3 to 5 microns.
- 20. (Original) The closure cap of claim 15 wherein the membrane has pores sized from about 0.4 to 2 microns.
- 21. (Original) The closure cap of claim 15 wherein the membrane has pores sized from about 0.5 to 1.5 microns.
- 22. (Original) The closure cap of claim 15 wherein the membrane has pores having an average of about 1.0 micron.

- 23. (Original) The closure cap of claim 15 wherein the hole is sized between about 50 and 100 microns.
- 24. (Original) The closure of claim 15 wherein the seal comprises a dryable coating.
- 25. (Original) The closure of claim 15 wherein the dryable coating comprises a UV activated sealant.
- 26. (Original) The closure cap of claim 15 wherein the dryable coating comprises a paint.
- 27. (Original) The closure cap of claim 15 wherein the seal comprises a semi-transparent adhesive.
- 28. (Original) The closure cap of claim 15 wherein the seal comprises an air tight membrane with a pressure-sensitive adhesive on one surface thereof.
- 29. (Original) The closure cap of claim 15 wherein the seal comprises a composition which solidifies upon exposure to actinic radiation.
- 30. (Currently amended) A hot-fill container with a shoulder portion defining a head space area above the level to which the container is to be filled with liquid, the head space area defining an opening to fill the container and a hole therethrough on the shoulder portion of the container above the level to which the container is to be filled with liquid;

a hydrophobic, air permeable membrane secured to the container so as to cover the hole on the shoulder portion; and

an air tight seal <u>located within the hold and</u> over the portion of the membrane covering the hole.

- 31. (Original) The container of claim 30 wherein hydrophobic air permeable membrane comprises expanded polytetraflouro-ethylene.
- 32. (Original) The container of claim 30 wherein hydrophobic air permeable membrane comprises polypropylene.
- 33. (Original) The container of claim 30 wherein the membrane has pores sized from about 0.3 to 5 microns.
- 34. (Original) The container of claim 30 wherein the membrane has pores sized from about 0.4 to 2 microns.
- 35. (Original) The container of claim 30 wherein the membrane has pores sized from about 0.5 to 1.5 microns.
- 36. (Original) The container of claim 30 wherein the membrane has pores having an average of about 1.0 micron.
- 37. (Original) The container of claim 30 wherein the hole is sized between about 50 and 100 microns.
- 38. (Original) The container of claim 30 wherein the seal comprises a dryable coating.
- 39. (Original) The container of claim 30 wherein the dryable coating comprises a UV activated sealant.

- 40. (Original) The container of claim 30 wherein the dryable coating comprises a paint.
- 41. (Original) The container of claim 30 wherein the seal comprises a semi-transparent adhesive.
- 42. (Original) The container of claim 30 wherein the seal comprises an air tight membrane with a pressure-sensitive adhesive on one surface thereof.
- 43. (Original) The container of claim 30 wherein the seal comprises a composition which solidifies upon exposure to actinic radiation.
- 44. (Currently amended) A closure cap adapted to be applied to a hot-fill container comprising:

a top surface having an outer edge with a skirt portion depending therefrom, the skirt portion defining a hole therethrough;

a hydrophobic, air permeable membrane secured to the cap so as to <u>cover</u> fill the hole; and

an <u>air impermeable sealing material</u> <u>air-tight seal</u> over the portion of the membrane filling the hole <u>to provide an air-tight seal over the portion of the membrane covering the hole</u>.

- 45. (Original) The closure cap of claim 44 wherein hydrophobic air permeable membrane comprises expanded polytetraflouro-ethylene.
- 46. (Original) The closure cap of claim 44 wherein hydrophobic air permeable membrane comprises polypropylene.

- 47. (Original) The closure cap of claim 44 wherein the membrane has pores sized from about 0.3 to 5 microns.
- 48. (Original) The closure cap of claim 44 wherein the membrane has pores sized from about 0.4 to 2 microns.
- 49. (Original) The closure cap of claim 44 wherein the membrane has pores sized from about 0.5 to 1.5 microns.
- 50. (Original) The closure cap of claim 44 wherein the membrane has pores having an average of about 1.0 micron.
- 51. (Original) The closure cap of claim 44 wherein the hole is sized between about 50 and 100 microns.
- 52. (Original) The closure of claim 44 wherein the seal comprises a dryable coating.
- 53. (Original) The closure of claim 44 wherein the dryable coating comprises a UV activated sealant.
- 54. (Original) The closure cap of claim 44 wherein the dryable coating comprises a paint.
- 55. (Original) The closure cap of claim 44 wherein the seal comprises a semi-transparent adhesive.
- 56. (Original) The closure cap of claim 44 wherein the seal comprises an air tight membrane with a pressure-sensitive adhesive on one surface thereof.

57. (Original) The closure cap of claim 44 wherein the seal comprises a composition which solidifies upon exposure to actinic radiation.